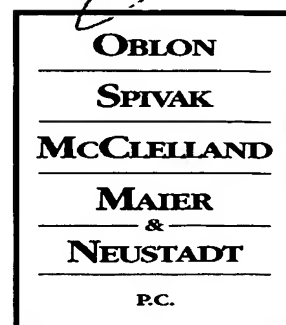




Docket No.: 250583US6YA DIV

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313



ATTORNEYS AT LAW

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RE: Application Serial No.: 10/803,994

Applicants: Shinya NISHIMOTO, et al.

Filing Date: March 19, 2004

For: METHOD AND APPARATUS FOR AN IMPROVED  
OPTICAL WINDOW DEPOSITION SHIELD IN A  
PLASMA PROCESSING SYSTEM

Group Art Unit: 1763

Examiner: ALEJANDRO MULERO, LUZ L

SIR:

Attached hereto for filing are the following papers:

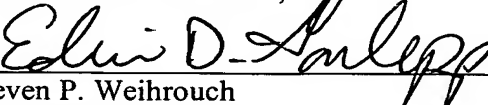
**Terminal Disclaimer**

**Information Disclosure Statement, PTO-1449 (8 pages), Appendix A (4 pages), International Search Report (10), Written Opinion (2), Statement of Relevancy (1), Office Actions (3), List of Related Cases, Cited References (55)**

Our credit card payment form in the amount of \$130.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Steven P. Weihrouch

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Registration No. 45,330

Docket No. 250583US6YA DIV



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Shinya NISHIMOTO, et al.

SERIAL NO: 10/803,994

GAU: 1763

FILED: March 19, 2004

EXAMINER: ALEJANDRO MULERO, LUZ

FOR: METHOD AND APPARATUS FOR AN IMPROVED OPTICAL WINDOW DEPOSITION SHIELD IN A PLASMA PROCESSING SYSTEM

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449, which include references cited in the applications listed in Appendix A and not previously cited in the present application. Copies of the listed references are attached, where required, as are English language Abstracts for the non-English references. Applicants also wish to make of record the International Search Reports, PCT Written Opinions, Statement of Relevancy and U.S. Office Actions noted in Appendix A. The relevancy of the non-English references is that they were cited in the prosecution of at least one of the applications or patents cited in Appendix A.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

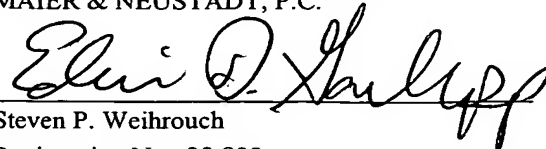
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
Steven P. Weihrouch

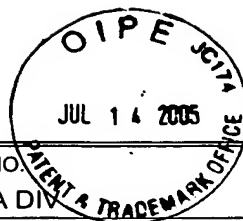
Registration No. 32,829

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
250583US6YA DIVSERIAL NO.  
10/803,994

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Shinya NISHIMOTO, et al.FILING DATE  
March 19, 2004GROUP  
1763

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,364,949	4/2002	Or et al.			
	AB	5,911,852	6/1999	Katayama et al.			
	AC	5,074,456	12/1991	Degner et al.			
	AD	4,612,077	9/1986	Tracy et al.			
	AE	6,182,603	2/2001	Shang et al.			
	AF	2003/0010446	1/2003	Kajiyama et al.			
	AG	2001/0003271	6/2001	Otsuki			
	AH	2002/0076508	6/2002	Chiang et al.			
	AI	6,368,987	4/2002	Kopacz et al.			
	AJ	2004/0072426	4/2004	Jung			
	AK	6,383,964	5/2002	Nakahara et al.			
	AL	6,123,791	9/2000	Han et al.			
	AM	6,170,429	1/2001	Schoepp et al.			
	AN	6,096,161	8/2000	Kim et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	EP 1 156 130	11/2001	Europe		
	AP	JP 10-004083	1/1998	Japan (w/ English Abstract)		
	AQ	JP 2001-226773	8/2001	Japan (w/ English Abstract)		
	AR	JP 2000-303180	10/2000	Japan (w/ English Abstract)		
	AS	EP 0 814 495	12/1997	Europe		
	AT	JP 05-198532	8/1993	Japan (w/ English Abstract)		
	AU	JP 10-214819	8/1998	Japan (w/ English Abstract)		
	AV	JP 2002-151473	5/2002	Japan (w/ English Abstract and Computer Translation)	X	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	JIS Using Series, "Spraying Techniques Manual.", p. 95 (Oct. 30, 1998, Japanese Standard Association), with English Translation	
	AX		
	AY		
	AZ		<input type="checkbox"/> Additional References sheet(s) attached
Examiner			Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>250583US6YA DIV</b>		SERIAL NO. <b>10/803,994</b>	
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				FILING DATE <b>March 19, 2004</b>		GROUP <b>1763</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,362,335	11/1994	Rungta			
	AB	5,952,060	9/1999	Ravi			
	AC	5,680,013	10/1997	Domfest et al.			
	AD	5,494,713	2/1996	Ootuki			
	AE	5,366,585	11/1994	Robertson et al.			
	AF	5,000,113	3/1991	Wang et al.			
	AG	5,334,462	8/1994	Vine et al.			
	AH	6,830,622	12/2004	O'Donnell et al.			
	AI	6,176,969	1/2001	Park et al.			
	AJ	5,919,332	7/1999	Koshiishi et al.			
	AK	2004/0035364	2/2004	Tomoyoshi et al.			
	AL	5,868,848	2/1999	Tsukamoto			
	AM	6,110,287	8/2000	Arai et al.			
	AN	6,129,808	10/2000	Wicker et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	WO 02/39495	5/2002	WIPO (Japan w/ English Abstract)			
	AP	EP 1 069 603	1/2001	Europe			
	AQ	JP 07-245295	9/1995	Japan (w/ English Abstract)			
	AR	EP 0 841 838	5/1998	Europe			
	AS	WO 99/50886	10/1999	WIPO			
	AT	EP 0 573 057	12/1993	Europe			
	AU	JP 2000-124197	4/2000	Japan (w/ English Abstract)			
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	AA	6,264,788	7/2001	Tomoyasu et al.			
	AB	6,394,026	5/2002	Wicker et al.			
	AC	6,444,083	9/2002	Steger et al.			
	AD	6,514,377	2/2003	Morimoto			
	AE	6,527,911	3/2003	Yen et al.			
	AF	6,533,910	3/2003	O'Donnell et al.			
	AG	6,537,429	3/2003	O'Donnell et al.			
	AH	6,544,380	4/2003	Tomoyasu et al.			
	AI	6,583,064	6/2003	Wicker et al.			
	AJ	6,733,620	5/2004	Sugiyama et al.			
	AK	2002/0086501	7/2002	O'Donnell et al.			
	AL	2002/0086545	7/2002	O'Donnell et al.			
	AM	2002/0086553	7/2002	O'Donnell et al.			
	AN	2002/0142611	10/2002	O'Donnell et al.			
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	AO	JP 04-238882	8/1992	Japan (w/ English Abstract)			
	AP	JP 01-312087	12/1989	Japan (w/ English Abstract)			
	AQ	JP 08-041309	2/1996	Japan (w/ English Abstract)			
	AR	JP 08-081777	3/1996	Japan (w/ English Abstract)			
	AS	JP 08-268751	10/1996	Japan (w/ English Abstract)			
	AT	JP 07-226378	8/1995	Japan (w/ English Abstract)			
	AU	JP 64-039728	2/1989	Japan (w/ English Abstract)			
	AV	JP 03-115535	5/1991	Japan (w/ English Abstract)			
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	2003/0084848	5/2003	Long			
	AB	2004/0026372	2/2004	Takenaka et al.			
	AC	2004/0060516	4/2004	Nishimoto et al.			
	AD	2004/0060656	4/2004	Saigusa et al.			
	AE	2004/0060657	4/2004	Saigusa et al.			
	AF	2004/0060658	4/2004	Nishimoto et al.			
	AG	2004/0060661	4/2004	Nishimoto et al.			
	AH	2004/0061447	4/2004	Saigusa et al.			
	AI	2004/0063333	4/2004	Saigusa et al.			
	AJ	2004/0125359	7/2004	Ludviksson et al.			
	AK	6,335,293	1/2002	Luo et al.			
	AL	6,221,202	4/2001	Walko, II			
	AM	5,900,064	5/1999	Kholodenko			
	AN	5,641,375	6/1997	Nitescu et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AO	JP 05-117064	5/1993	Japan (w/ English Abstract and Corresponding U.S. Patent 5,551,190)			
	AP	JP 05-238859	9/1993	Japan (w/ English Abstract and Corresponding U.S. Patent 5,725,960)			
	AQ	JP 06-057396	3/1994	Japan (w/ English Abstract)			
	AR	JP 06-136505	5/1994	Japan (w/ English Abstract)			
	AS	JP 06-142822	5/1994	Japan (w/ English Abstract)			
	AT	JP 07-126827	5/1995	Japan (w/ English Abstract)			
	AU	JP 07-176524	7/1995	Japan (w/ English Abstract)			
	AV	JP 08-037180	2/1996	Japan (w/ English Abstract)			
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,383,333	5/2002	Haino et al.			
	AB	6,590,660	7/2003	Jung et al.			
	AC	6,570,654	5/2003	Jung et al.			
	AD	6,519,037	2/2003	Jung et al.			
	AE	6,373,573	4/2002	Jung et al.			
	AF	6,246,479	6/2001	Jung et al.			
	AG	5,851,343	12/1998	Hsu et al.			
	AH	6,210,486	4/2001	Mizukami et al.			
	AI	2002/0086118	7/2002	Chang et al.			
	AJ	2003/0029563	2/2003	Kaushal et al.			
	AK	4,593,007	6/1986	Novinski			
	AL	5,985,102	11/1999	Leiphart			
	AM	6,106,625	8/2000	Koai et al.			
	AN	6,123,804	9/2000	Babassi et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                  NO		
	AO	JP 08-339895	12/1996	Japan (w/ English Abstract)			
	AP	JP 09-069554	3/1997	Japan (w/ English Abstract)			
	AQ	JP 09-272987	10/1997	Japan (w/ English Abstract)			
	AR	JP 10-045461	2/1998	Japan (w/ English Abstract)			
	AS	JP 10-045467	2/1998	Japan (w/ English Abstract)			
	AT	JP 11-080925	3/1999	Japan (w/ English Abstract)			
	AU	JP 11-207161	8/1999	Japan (w/ English Abstract)			
	AV	JP 2001-031484	2/2001	Japan (w/ English Abstract and Corresponding U.S. Patent No. 6,695,929)			
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	AA	6,265,757	7/2001	Brady et al.			
	AB	6,143,646	11/2000	Wetzel			
	AC	2002/0090464	7/2002	Jiang et al.			
	AD	4,469,619	9/1984	Ohno et al.			
	AE	5,426,310	6/1995	Tamada et al.			
	AF	5,556,501	9/1996	Collins et al.			
	AG	5,614,055	3/1997	Fairbairn et al.			
	AH	5,944,902	8/1999	Redeker et al.			
	AI	5,994,662	11/1999	Murugesh			
	AJ	5,894,887	4/1999	Kelsey et al.			
	AK	5,879,575	3/1999	Tepman et al.			
	AL	5,759,360	6/1998	Ngan et al.			
	AM	5,798,016	8/1998	Oehrlein et al.			
	AN	6,139,983	10/2000	Ohashi et al.			
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                  NO		
	AO	JP 10-251871	9/1998	Japan (w/English Abstract)			
	AP	WO 02/48421	6/2002	WIPO (Japan w/English Abstract)			
	AQ	WO 01/42526	6/2001	WIPO (Japan w/English Abstract and Corresponding U.S. Patent 6,783,863)			
	AR	WO 2004/030011	4/2004	WIPO			
	AS	WO 2004/030012	4/2004	WIPO			
	AT	WO 2004/030013	4/2004	WIPO			
	AU	WO 2004/030014	4/2004	WIPO			
	AV	WO 2004/030015	4/2004	WIPO			
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	AA	5,484,752	1/1996	Waku et al.			
	AB	5,895,586	4/1999	Kaji et al.			
	AC	6,120,640	9/2000	Shih et al.			
	AD	6,738,862	5/2004	Ross et al.			
	AE	6,783,863	8/2004	Harada et al.			
	AF	6,837,966	1/2005	Nishimoto et al.			
	AG	6,798,519	9/2004	Nishimoto et al.			
	AH	2004/0173155	9/2004	Nishimoto et al.			
	AI	6,641,697	11/2003	Han et al.			
	AJ	2004/0081746	4/2004	Imafuku			
	AK	2003/0200929	10/2003	Otsuki			
	AL	6,884,516	4/2005	Harada et al.			
	AM	6,695,929	2/2004	Kanekiyo et al.			
	AN	5,725,960	3/1998	Konishi et al.			
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                      NO		
	AO	WO 2004/030020	4/2004	WIPO			
	AP	WO 2004/030426	4/2004	WIPO			
	AQ	WO 2004/095530	11/2004	WIPO			
	AR	WO 2004/095532	11/2004	WIPO			
	AS	EP 0 508 731	10/1992	Europe			
	AT	JP 2001-164354	6/2001	Japan (w/ English Abstract, Computer Translation and Certified Translation)	X		
	AU						
	AV						
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,551,190	9/1996	Yamagishi et al.			
	AB	2005/0103268	5/2005	Nishimoto et al.			
	AC	2004/0216667	11/2004	Mitsuhashi et al.			
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## APPENDIX A

U.S. Application Serial No. 10/259,757 filed September 30, 2002, now U.S.

Publication No. 2004/0061447 (listed on attached PTO-1449) and corresponding PCT

Application Serial No. PCT/IB03/04666 filed September 29, 2003 (International

Search Report mailed June 9, 2004 attached), now PCT Publication No. WO

2004/030011 (listed on attached PTO-1449).

U.S. Application Serial No. 10/259,858 filed September 30, 2002 (Office Action

citing non-English language references and mailed December 22, 2004 attached), now

U.S. Publication No. 2004/0060661 (listed on attached PTO-1449) and corresponding

PCT Application Serial No. PCT/IB03/04923 filed September 29, 2003 (International

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\*Present Application family; listed for information

**INVENTOR: Shinya NISHIMOTO, et al.****LIST OF RELATED CASES**

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